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DPD 7154-59

10 DEC 1959

MEMORANDUM FOR: Deputy Director (Plans)

**SUBJECT: The Requirement for a Defensive ECM Position
in the P2V7 Aircraft**

1. Headquarters has received [] a requirement to install a defensive ECM position in the P2V7 aircraft for the purpose of [] Since the method proposed [] would add to the already critical space and weight problem, the Requirements Section made a study aimed at a solution that would not add to, or create, new problem areas.

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2. The above-referenced study, with necessary supporting documents, is attached. A brief summary of its contents is as follows:

a. There is a valid requirement for a defensive ECM position which can be installed in the "test bed" P2V7 aircraft during the Lockheed pre-deployment inspection.

b. After evaluation [] kits can be fabricated by LAC and sent out for field installation in other P2V7 aircraft or installed by LAC during scheduled IRAN.

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c. Costs of initial installation will be:

| | |
|--|---------------|
| (1) LAC for fabrication and installation | \$18,000 |
| (2) Granger Associates for manufacture of activity indicator | 6,000 |
| (3) Office of Logistics for purchase of two stock receivers | 7,000 |
| TOTAL | 31,000 |

3. Since no additional crew member is needed to man the defensive position, the total weight increase involved is that of the equipment, which

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is approximately 100 pounds. However, the removal of other items now on the aircraft, on which [] and Headquarters agree, will remove 1,000 pounds. Thus, a weight reduction of 900 pounds will be effected.

4. Beyond the initial "test bed" installation, the costs will depend on where the installation is made. If further installations are made at LAC during the scheduled IRAN periods, it will cost approximately \$26,000 per aircraft. If done in the field, the cost will run approximately \$18,000 per aircraft.

5. At the present time, P2V7 aircraft [] is scheduled for IRAN during April 1960 and approved FY 1960 funds are available. Aircraft [] is scheduled for IRAN in July 1960 and FY 1961 funds have been requested. Aircraft [] is due for IRAN in March 1962 and no funds have been requested as of this date.

6. On the basis of paragraphs 2, 4, and 5 above, it is recommended that a defensive position be installed in the test bed aircraft during the LAC pre-deployment inspection and in aircraft [] during scheduled IRAN. Installation in aircraft [] to be made in the field by mod kit.

7. The total cost of defensive ECM position installations, for which funds are available and a program approval is attached, is as follows:

| | |
|----------------------|----------------|
| a. Test bed aircraft | \$31,000 |
| b. Aircraft [] | 26,000 |
| c. Aircraft [] | 26,000 |
| d. Aircraft [] | 19,000 |
| TOTAL | 102,000 |

Note: The actual number of aircraft to be modified will depend on the outcome of studies presently being conducted on the utilization of the Agency P2V7 "fleet;" therefore, until such time as a firm decision is reached, only one aircraft, the test bed, will be modified.

8. In order to meet projected manufacturing schedules and be prepared to make the installation during the LAC pre-deployment inspection, authority to proceed must be granted by 21 December 1959.

SIGNED

WILLIAM BURKE
Colonel USAF
Acting Chief, DPD-DD/P

Att:
DPD 7430-59

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